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11-9-06

Applicants: Gerhartz et al.
Application Serial No. 10/541,230
Amdt. dated July 20, 2006
Reply to Office Action of May 3, 2006

AMENDMENTS TO THE SPECIFICATION

On page ⁴3, please replace paragraph [0017] with the following:

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Figure 2 is a perspective representation of a drive part having a plastic tube provided with magnet portions.

Figure 3 is a perspective overall view of an electromagnetic drive device having a drive part with an oval cross-section.

Figure 4 is a perspective overall view of an electromagnetic drive device having a drive part connected with an output drive part which is designed in the form of a piston of a piston spool valve.

Figure 5 is a perspective overall view of an electromagnetic drive device having two yoke arrangements arranged in tandem in the stroke direction.

On page ⁵4, please replace paragraph [0019] with the following:

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The magnet portions 11 through 14 respectively comprise two half disks 11a through 14a and 11b through 14b in order to be able to more readily realize the desired magnetization direction. In principle diametrically magnetized solid disks or full rings or half rings could be employed. Instead of circular cross sections oval or elliptical cross sections are also possible, as shown in Figure 3.

On page ⁷6, please replace paragraph [0024] with the following:

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The above described electromagnetic drive device may for example be employed for the operation of the piston 40 of a piston spool valve 42 or other valve member, as is shown in Figure 4 and described and illustrated in the initially mentioned prior art. On the other hand such electromagnetic drive device may also be employed as an electromagnetic

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operating device for all equipment, in the case of which a certain set stroke is to be performed.

⁴
On page 7, please replace paragraph [0027] with the following:

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The plastic tube 31 can have its sectioned side connected with an output drive part, as for example valve spool, as shown in Figure 4. For this purpose the plastic tube 31 may at least on this connection side be designed like a holding tongs in order in a simple manner to secure or releaseably hold the output drive part.

⁴
On page 7, please replace paragraph [0028] with the following:

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In order to increase the stroke force several yoke arrangements 16 may be placed together in tandem, as shown in Figure 5. In this case the arrangement is admittedly made longer, but however the narrow width may be adhered to. The drive part 10 could then obviously be provided with further pairs of magnet portions.